

PRODUCT DESCRIPTION

iForm RPU80 High Impactnesss Resistant (Nylon-Like)Resin

YOUSU iForm RPU80 resin offers an excellent balance of hardness and durability which was designed to simulate Nylon plastic.It features low modulus, high elongation, and high impact strength, and is ideal for snap-fit and wear- resistant parts. Tough enough to stand up to the rigors of long term, real-world use replacing traditionally injection molded components.

ATTRIBUTES		
Resin model	iForm RPU80 High Impactnesss Resistant (Nylon-Like)Resin for LCD	
Grade	IForm RPU80	
Color	black	
Density(25℃)	1.04g/cm³	
Viscosity(25℃)	820~880cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	35MPa	ASTM D638
Elongation at break	95%	ASTM D638
Flexural strength	75MPa	ASTM D790
Impact strength	88J/m	ASTM D256
Heat deflection temperature(0.45MPa)	70℃	ASTM D648
Hardness	85D	ASTM D2240
PRINTING INFORMATION		
	RGB Screen	Mono Screen
Normal exposure time	8s~12s	1.5s~3s
Bottom exposure time	60s~80s	15s~25s
Bottom layer	6	6
Layer thickness	0.05mm	

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YOUSU 3D printing UV photosensitive resin
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POST-PROCESSING STEP

1. Once the printing is completed, products need to rinse in alcohol and dry normally.
2. Post-curing is required for **some products** to reach its **highest** possible strength and stability.
3. Supports are removed from the products for a clean finish.



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